

ABSTRACT OF THE DISCLOSURE

A process for producing hydrophobic cotton fabric useful as material for forming a wide variety of useful articles. The process includes the steps of (1) bleaching the cotton fabric with a suitable optical whitener; (2) affixing the fabric to a conveying machine; (3) applying approximately 7 lbs. of water resistance substance for each approximately 100 lbs. of fabric by conveying the fabric through a pad bath; (4) conveying the fabric through a tenter frame machine having a heating chamber set at approximately 340°F; (4) conveying the treated fabric through the heating chamber at a speed of approximately 17 yards per minute; (5) repeating step 4 a second time to effect curing of the chemicals thereby resulting in a water-resistant cotton fabric. Alternate methods are disclosed for treating fabric with various antimicrobial, antifungal, anti-odor and/or anti-stain substances. Fabric produced according to the above-referenced process is suitable for use in a wide variety of useful articles such as undergarments for those suffering from incontinence, feminine shields, bedding products such as mattress pads and covers, apparel such as t-shirts, lingerie, and medical gowns.

TOP SECRET//SIX EYES ONLY